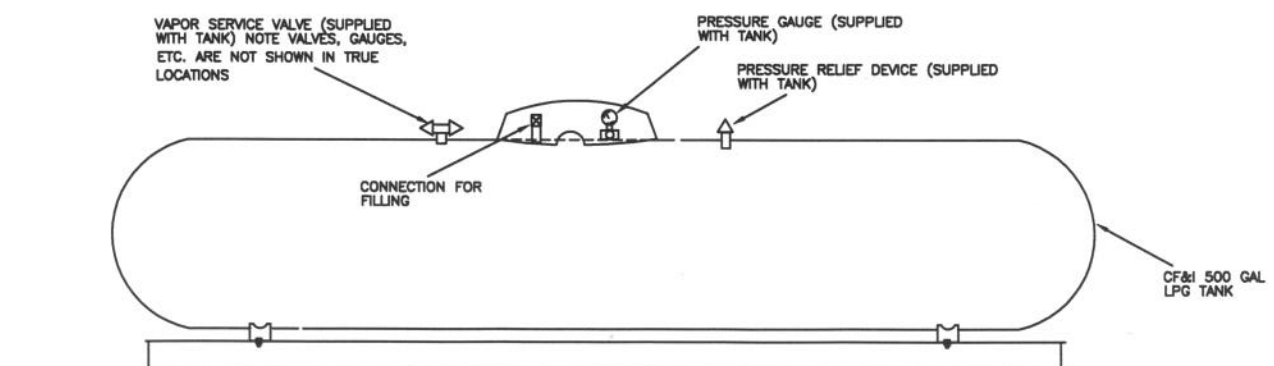
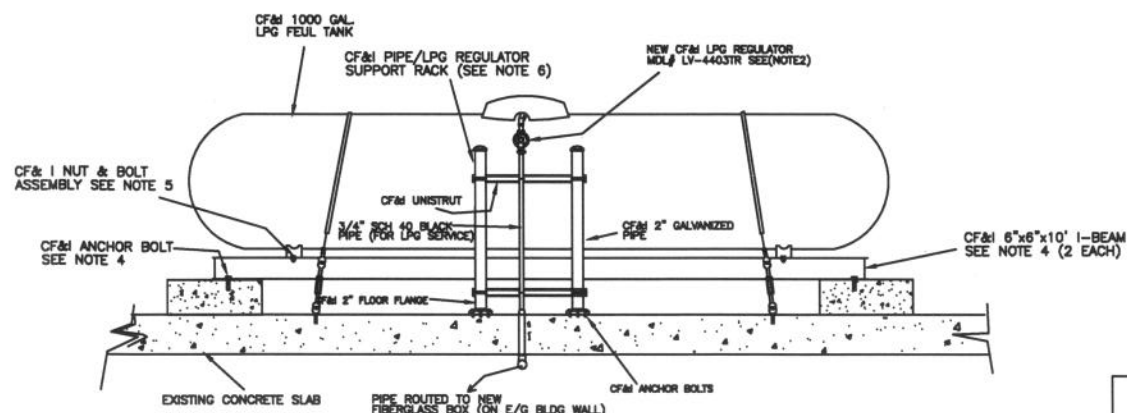


PROPOSED LPG FUEL TANK LAYOUT SHOWN WITHOUT CMU WALL SOUTH SIDE (ELEVATION VIEW)



PROPOSED LPG FUEL TANK VALVE/GAUGE LAYOUT
DETAIL SHOWS APPROXIMATE LOCATION OF TANK COMPONENTS

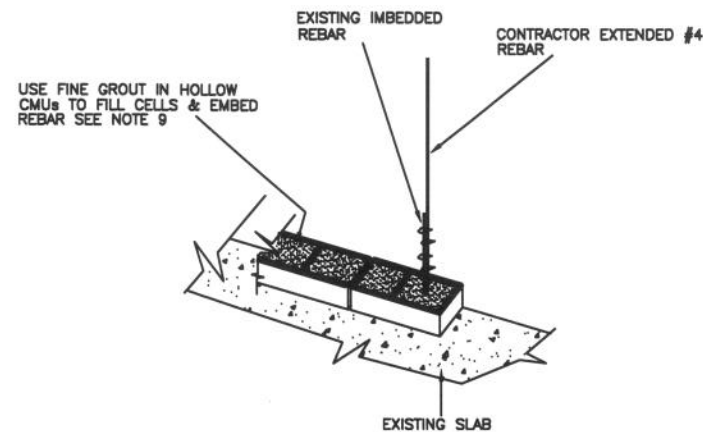


PROPOSED LPG FUEL TANK LAYOUT SHOWN WITHOUT CMU WALL EAST SIDE (ELEVATION VIEW)

NOTES:

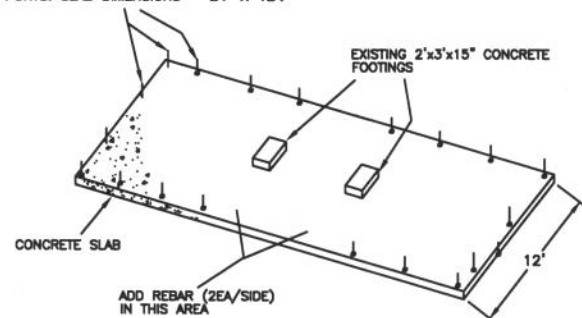
- CONTRACTOR FURNISH AND INSTALLED (CF&I), GOVERNMENT FURNISHED (GF), LIQUEFIED PETROLEUM GAS (LPG)
- ALL LISTED DIMENSIONS ARE APPROXIMATE. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO PURCHASING ANY ITEMS
1. THE CF FIBERGLASS BOX SHALL HAVE A HINGED DOOR WITH A LOCKABLE HANDLE. THE BOX SHALL BE INSTALLED ON THE SIDE EXTERIOR WALL (OPPOSITE THE FUEL TANK) OF THE RCLR BLDG. THE BOX SHALL HOUSE A LPG GAGE AND A LPG REGULATOR.
2. THE CONTRACTOR SHALL PURCHASE AND INSTALL THE FOLLOWING TWO (2) LPG REGULATORS (OR APPROVED EQUAL): a.) 1st STAGE REGULATOR (INSTALLED NEXT TO THE TANK) REGO MODEL# LV-4403TR. b.) 2nd STAGE REGULATOR (INSTALLED INSIDE THE NEW FIBERGLASS J-BOX) REGO MODEL# LV-4403B. NOTE: PRIOR TO PURCHASING THE REGULATORS THE CONTRACTOR SHALL VERIFY THAT REGULATORS PROVIDE ADEQUATE PRESSURES TO OPERATE THE RCLR 12 KW ENGINE GENERATOR.
3. THE CONTRACTOR SHALL PURCHASE AND INSTALL TURNBUCKLES, EYE HOOKS, YOKE ENDS, ETC.; REQUIRED TO ALLOW FOR ADJUSTMENT OF TANK TIE DOWN STAINLESS STEEL STRAPS. THE CONTRACTOR SHALL ALSO BE REQUIRED TO INSTALL FOUR EYE BOLTS INTO EXISTING TANK SLAB. THE EYE BOLTS SHALL BE HELD IN PLACE W/ A GROUT MIXTURE.
4. THE CONTRACTOR SHALL PURCHASE AND INSTALL TWO (2) 6"x6"x10'(LONG) 1" WIDE FLANGE-BEAMS. THE BEAMS SHALL BE HOT-DIPPED GALVANIZED. THE BEAMS SHALL BE BOLTED TO THE TWO EXISTING CONCRETE FOOTING WHICH ARE INSTALLED ON THE TANK SLAB. BEAM ATTACHMENT BOLTS SHALL BE OF SUFFICIENT LENGTH TO FIRMLY HOLD THE STEEL IN-PLACE.
5. THE CONTRACTOR SHALL PURCHASE AND INSTALL FOUR (4) EACH STAINLESS STEEL NUTS, BOLTS AND WASHERS FOR ATTACHING LPG TANK TO THE NEW "I" BEAM. ATTACHMENT POINT SHALL BE VIA TANK LEGS.
6. THE CONTRACTOR SHALL CONSTRUCT A PIPE/REGULATOR SUPPORT RACK. THE RACK SHALL BE CONSTRUCTED USING THE FOLLOWING: 2" RIGID GALV'ED PIPE, UNISTRUT, PIPE FLOOR FLANGES, ANCHOR BOLTS AND HINGING HARDWARE. ALL NUTS, BOLTS AND WASHERS SHALL BE STAINLESS STEEL. THE REMAINING COMPONENTS SHALL BE HOT-DIPPED GALV'ED.
7. THE CONTRACTOR SHALL CONSTRUCT A 6' HIGH CONCRETE MASONRY UNIT (CMU) WALL ON THE EXISTING LPG TANK SLAB. THE WALL WILL COVER THE EAST AND WEST SIDE OF THE SLAB, IN TOTAL. THE NORTH AND SOUTH PORTION OF THE WALL WILL COVER APPROXIMATELY 8 LINER FEET OF SLAB AREA, THE REMAINING 4 FEET (EAST AND WEST SIDES ARE 12' LONG) WILL REMAIN OPEN FOR INSTALLATION OF TWO GATES (SEE DETAIL "B" FOR OVERVIEW). THE CONTRACTOR WILL USE EXISTING IMBEDDED STEEL REBAR (WHICH WILL TIE THE WALL INTO EXISTING SLAB) TO ANCHOR THE WALL.
NOTE: THE 6' DIMENSION LISTED FOR WALL HEIGHT IS APPROXIMATE. THE WALL SHALL BE CONSTRUCTED HIGH ENOUGH TO COVER THE NEWLY INSTALLED LPG TANK. (SEE DWG. A0-00-002 FOR LPG ENCLOSURE DETAILS)
8. THE CONTRACTOR SHALL PRE COAT AND WRAP ALL BURIED PIPE AS FOLLOWS: A.) WRAPPING SHALL BE POLYETHYLENE MATERIAL OR APPROVED EQUAL OR B.) PURCHASE & INSTALL PRE COATED PIPE. ALL COATING MATERIAL AND PRE COATED PIPE MUST BE APPROVED BY THE FAA BEFORE INSTALLATION.
9. THE CONTRACTOR SHALL REPLACE AN EXISTING METAL VENT HOOD, WITH A NEW METAL UNIT. THE HOOD SHALL BE GALVANIZED AND HAVE THE SAME DIMENSIONS AS EXISTING. FAA APPROVAL SHALL BE REQUIRED, PRIOR TO PURCHASING THE HOOD.

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			
LITTLE IRISH RCLR			
LOUISIANA			
SUBMITTED:		APPROVED:	
DESIGNED BY:		ISSUED BY:	
REVIEWED BY:		AIRWAY FACILITIES DIVISION	
DATE:		DATE: 10/9/12	
DESCRIPTION:		DRAWING NUMBER:	
DFTG:		A0-00-001	
CHECKED:		FACILITY:	



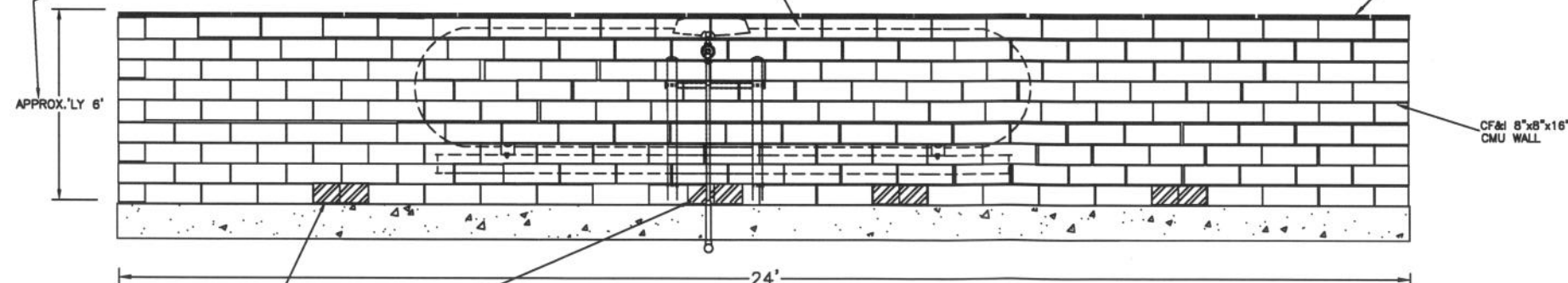
DETAIL "A" (CMU GROUT FILL)

EXISTING PROPANE TANK SLAB HAS REBAR INSTALLED FOR CONSTRUCTION OF CMU BLOCK ENCLOSURE & ALSO, HAS INTACT CONCRETE LPG TANK SUPPORTS. SLAB DIMENSIONS - 24' X 12'.



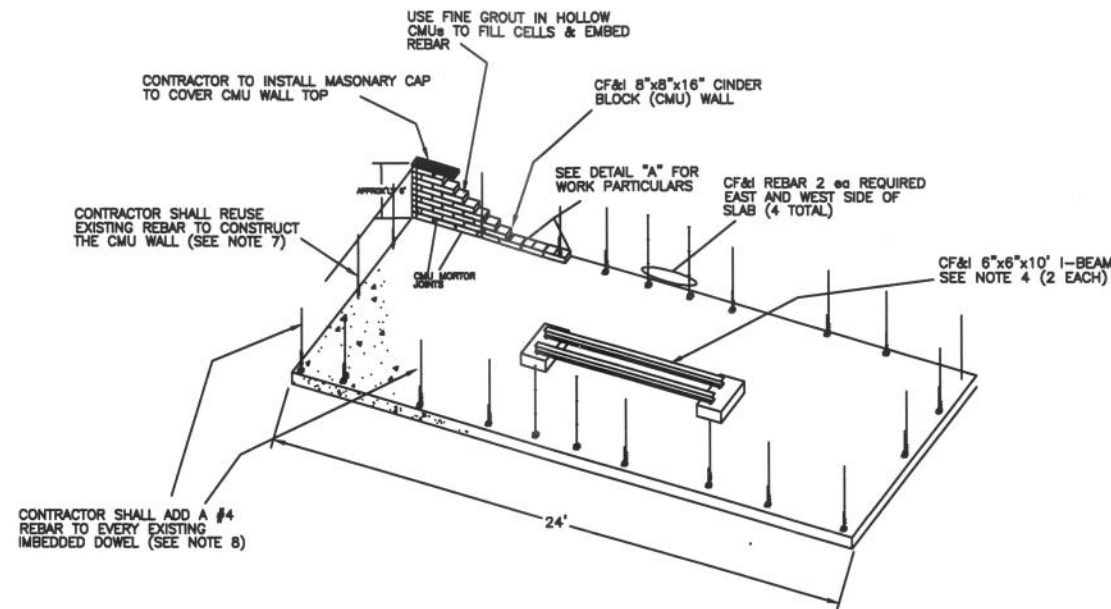
EXISTING 12'x24' CONCRETE SLAB DIMENSIONAL VIEW

THE 6' HEIGHT IS APPROXIMATE. WALL HEIGHT MUST BE SUCH THAT IT HIDES THE LPG TANK FROM PUBLIC VIEW.



8"x8"x16" CMU BLOCK LAID IN DIRECTION W/ BLOCK HOLES FACING OUTWARD (4 EACH/SIDE) 8 REQUIRED (SEE NOTE 10)

PROPOSED CMU WALL LAYOUT EAST AND WEST SIDES OF TANK SLAB



EXISTING 12'x24' CONCRETE SLAB DIMENSIONAL VIEW (W/ SOME CF&I COMPONENTS)

NOTES:

CONTRACTOR FURNISHED AND INSTALLED (CF&I), GOVERNMENT FURNISHED (GF), LIQUEFIED PETROLEUM GAS (LPG)

ALL LISTED DIMENSIONS ARE APPROXIMATE. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO PURCHASING ANY ITEMS

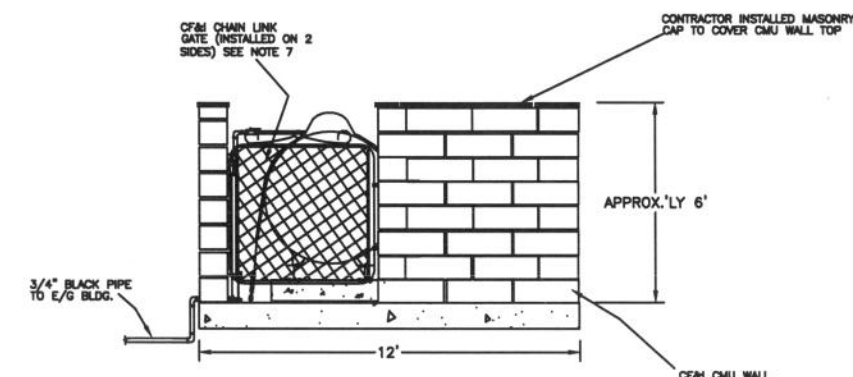
7. THE CONTRACTOR SHALL CONSTRUCT A 6' HIGH CONCRETE MASONRY UNIT (CMU) WALL ON THE EXISTING LPG TANK SLAB. THE WALL WILL COVER THE EAST AND WEST SIDE OF THE SLAB, IN TOTAL. THE NORTH AND SOUTH PORTION OF THE WALL WILL COVER APPROXIMATELY 8 LINER FEET OF SLAB AREA, THE REMAINING 4 FEET (EAST AND WEST SIDES ARE 12' LONG) WILL REMAIN OPEN FOR INSTALLATION OF TWO GATES (SEE DETAIL "B" FOR OVERVIEW). THE CONTRACTOR WILL USE EXISTING IMBEDDED STEEL REBAR (WHICH WILL TIE THE WALL INTO EXISTING SLAB) TO ANCHOR THE WALL.

NOTE: THE 6' DIMENSION LISTED FOR WALL HEIGHT IS APPROXIMATELY. THE WALL SHALL BE CONSTRUCTED HIGH ENOUGH TO COVER THE NEWLY INSTALLED LPG TANK.

8. THE CONTRACTOR SHALL ATTACH A #4 REBAR TO EACH EMBEDDED DOWEL. CONTRACTOR CAN USE REBAR TIES TO ATTACH THE NEW BARS TO EXISTING.

9. THE CONTRACTOR SHALL FILL ALL CMU HOLLOW WITH FINE GROUT. THE CMU GROUT SHOULD BE BATCHED AT A CONCRETE AND DELIVERED IN A ROTATING MIXER TRUCK.

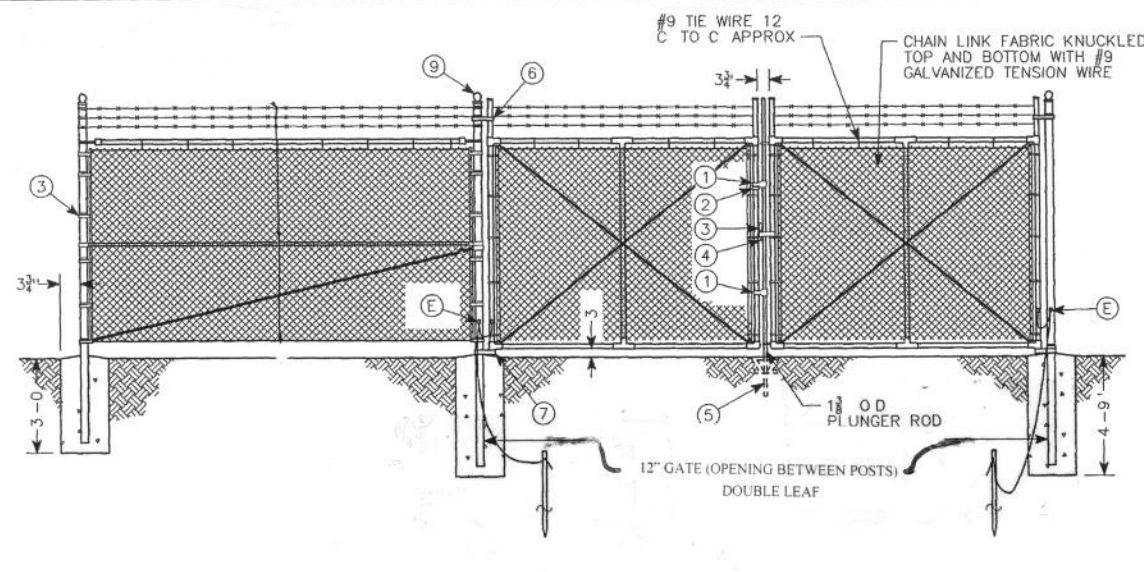
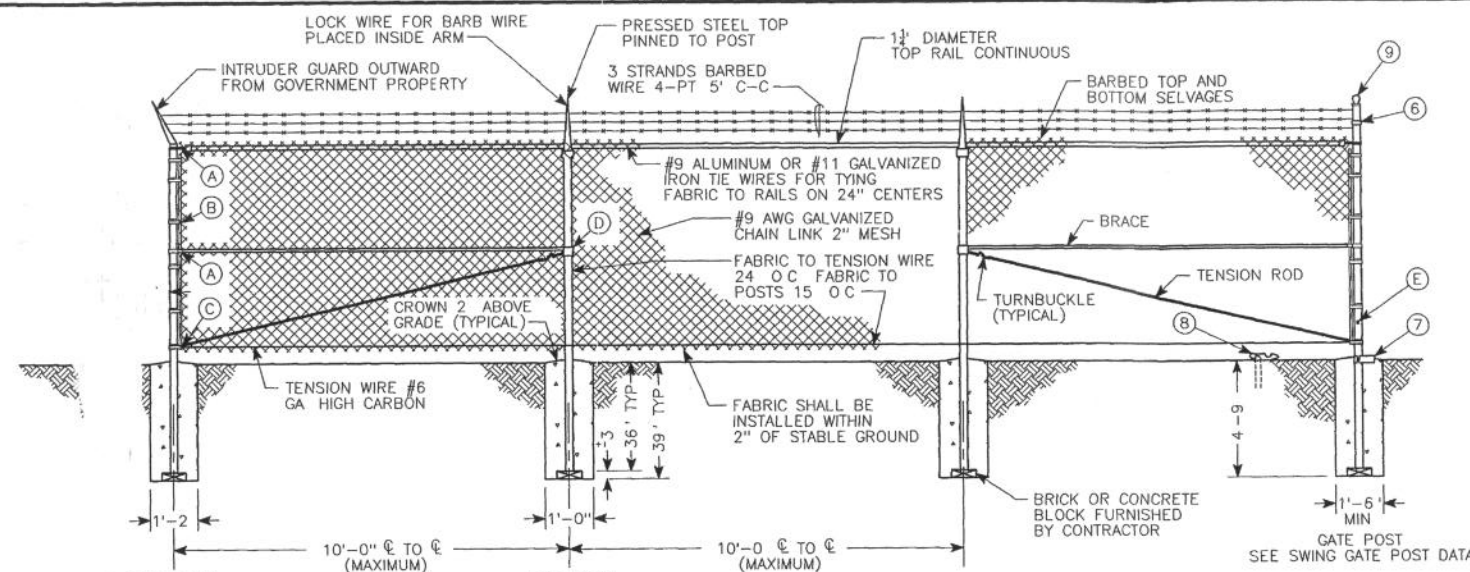
10. THE CONTRACTOR SHALL INSTALL 8 CMU BLOCKS (4 BOLCKS/24' SIDE; OPEN BLOCKS ARE NOT REQUIRED ON NORTH/SOUTH SIDES), SUCH THAT THE OPEN ENDS OF THE BLOCKS ARE FACING OUTWARD. SETTING THE BLOCKS IN THIS FASHION WILL ALLOW FOR INTERIOR DRAINAGE AND PROVIDES FOR EXTERIOR ACCESS OF LPG PIPING.



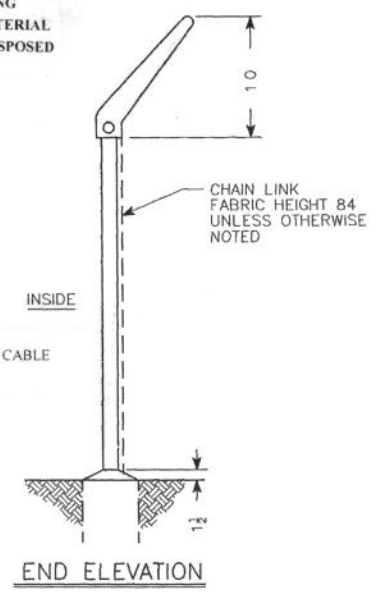
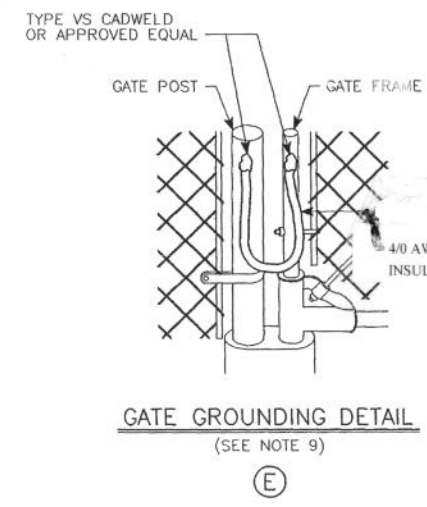
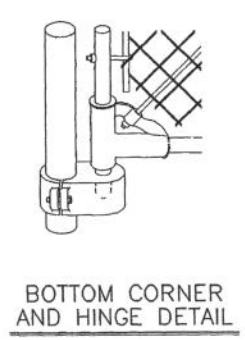
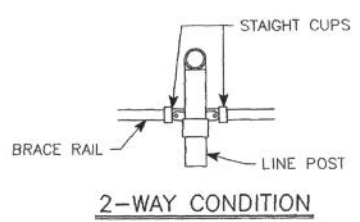
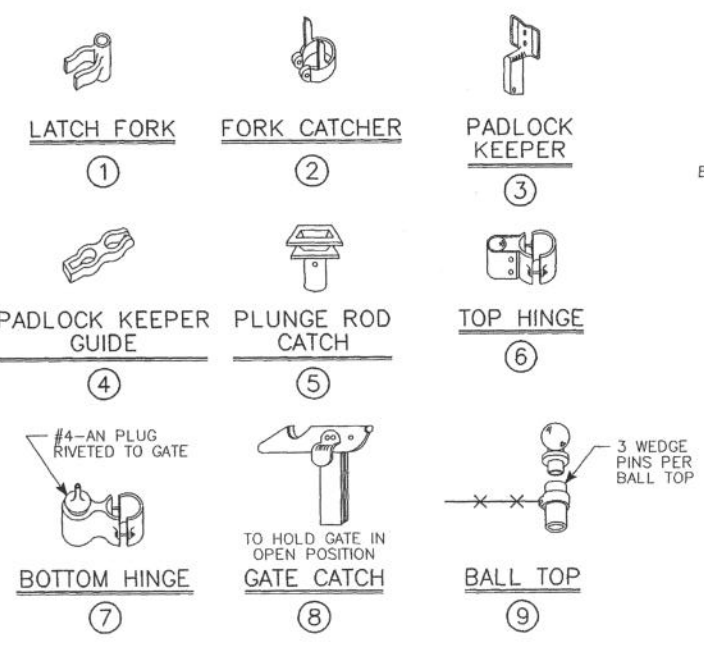
PROPOSED SOUTH & NORTH CMU WALL LAYOUT (DETAIL "B")

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
SOUTHWEST REGION	FORT WORTH, TEXAS
LITTLE IRISH RCLR	
LOUISIANA	
SUBMITTED:	APPROVED:
DESIGNED:	ISSUED BY
REVIEWED:	DATE: 01/31/11
CF&I: KEN GRAVES	DRAWING NUMBER:
CF&I:	A0-00-002

REV.	DATE	DESCRIPTION	DFTL.	CHECKED	FACILITY

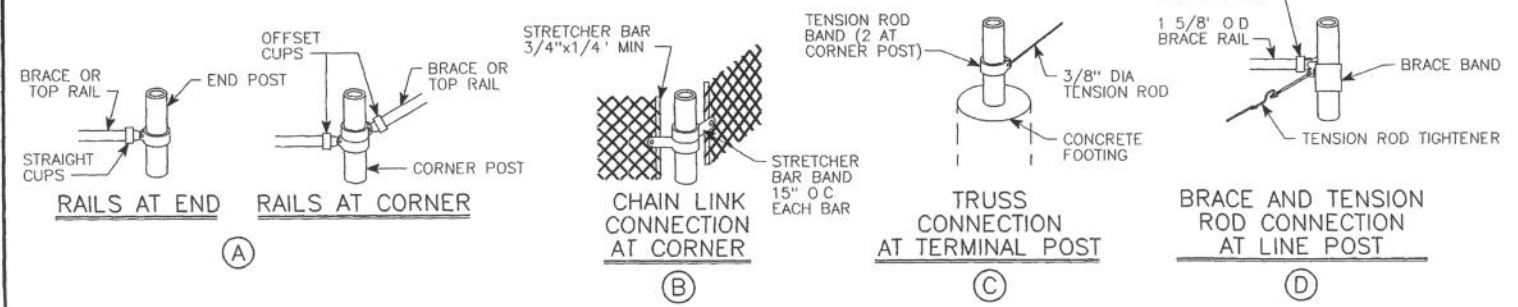


INSIDE ELEVATION CLASS "F" CHAIN LINK FENCE AND GATE
NOT TO SCALE



NOTES

- 1 ALL METAL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION
- 2 FENCE AND GATE SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY FITTINGS
- 3 FOR GATES - SIZES OF PIPES, SAG RODS AND TURNBUCKLES SHALL BE MANUFACTURER'S STANDARD WHICH ALSO MEET THE REQUIREMENTS OF THIS DRAWING
- 4 FENCE IS TO BE LOCATED SO THAT INTRUDER GUARD DOES NOT OVERHANG PROPERTY LINE
- 5 POSTS SHALL BE ROLLED OR EXTRUDED SECTIONS OR TUBING OF STEEL OR ALUMINUM CAPABLE OF WITHSTANDING A LATERAL FORCE OF 100 POUNDS APPLIED AT THE TOP. ALL HOLLOW POSTS SHALL BE CAPPED
- 6 ALL CONCRETE SHALL BE 3000 LBS WITH 3" SLUMP AND 3/4" MAXIMUM SIZE AGGREGATE
- 7 FENCE GROUNDING SHALL BE ACCOMPLISHED BY USING A 3/4"x10' GROUND ROD INSTALLED TO MEET THE FOLLOWING CRITERIA: (a) TOP OF GROUND ROD A MINIMUM OF 12' BELOW GRADE (b) AT LEAST ONE EVERY 150 LINEAR FEET OF FENCE (c) AT LEAST ONE BETWEEN CORNER POSTS (d) AT LEAST ONE ON BOTH SIDES OF A GATE
- 8 STANDARD PIPE SIZES INDICATED ARE NOMINAL OUTSIDE DIAMETER SCHEDULE 40 PER AMERICAN STANDARDS ASSOCIATION (ASA) B36.10. DETAIL 'E' SHALL BE USED AS THE TYPICAL GATE GROUNDING DETAIL
- 9 SECURITY MEASURES REQUIRE NO CLIMBABLE OBJECTS SHALL BE WITHIN 20 FEET OF THE FENCE. TREES SHALL BE TRIMMED BACK OR REMOVED



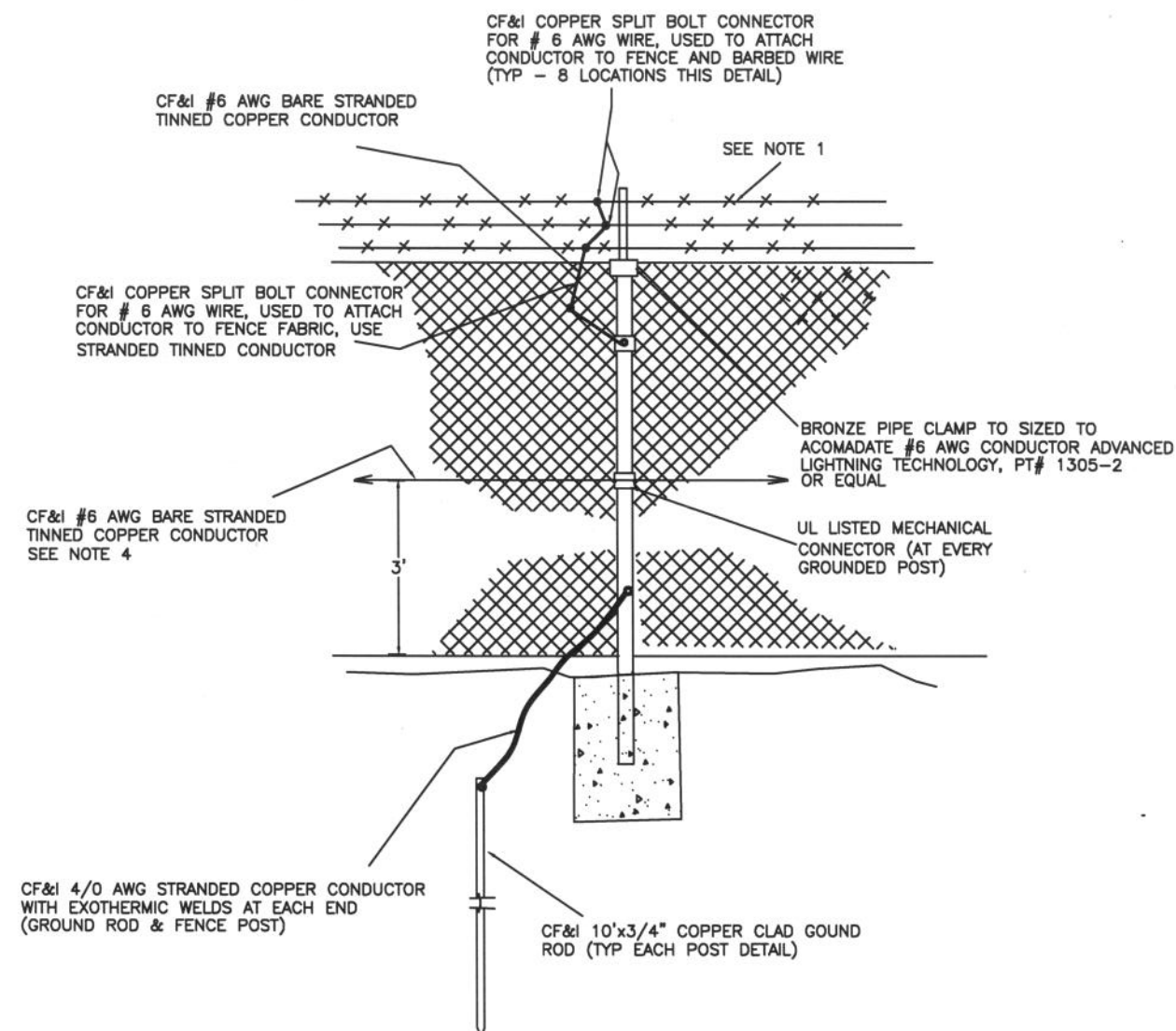
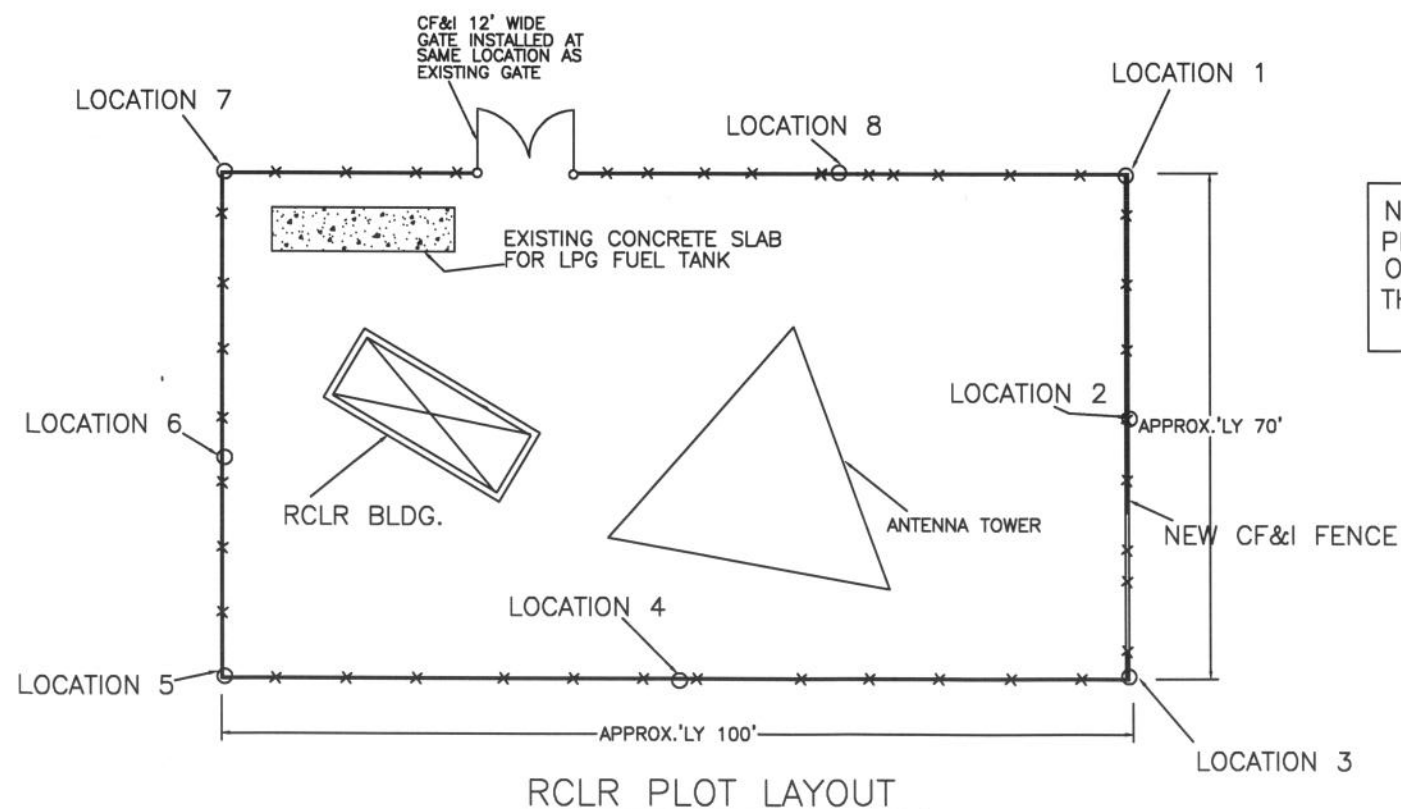
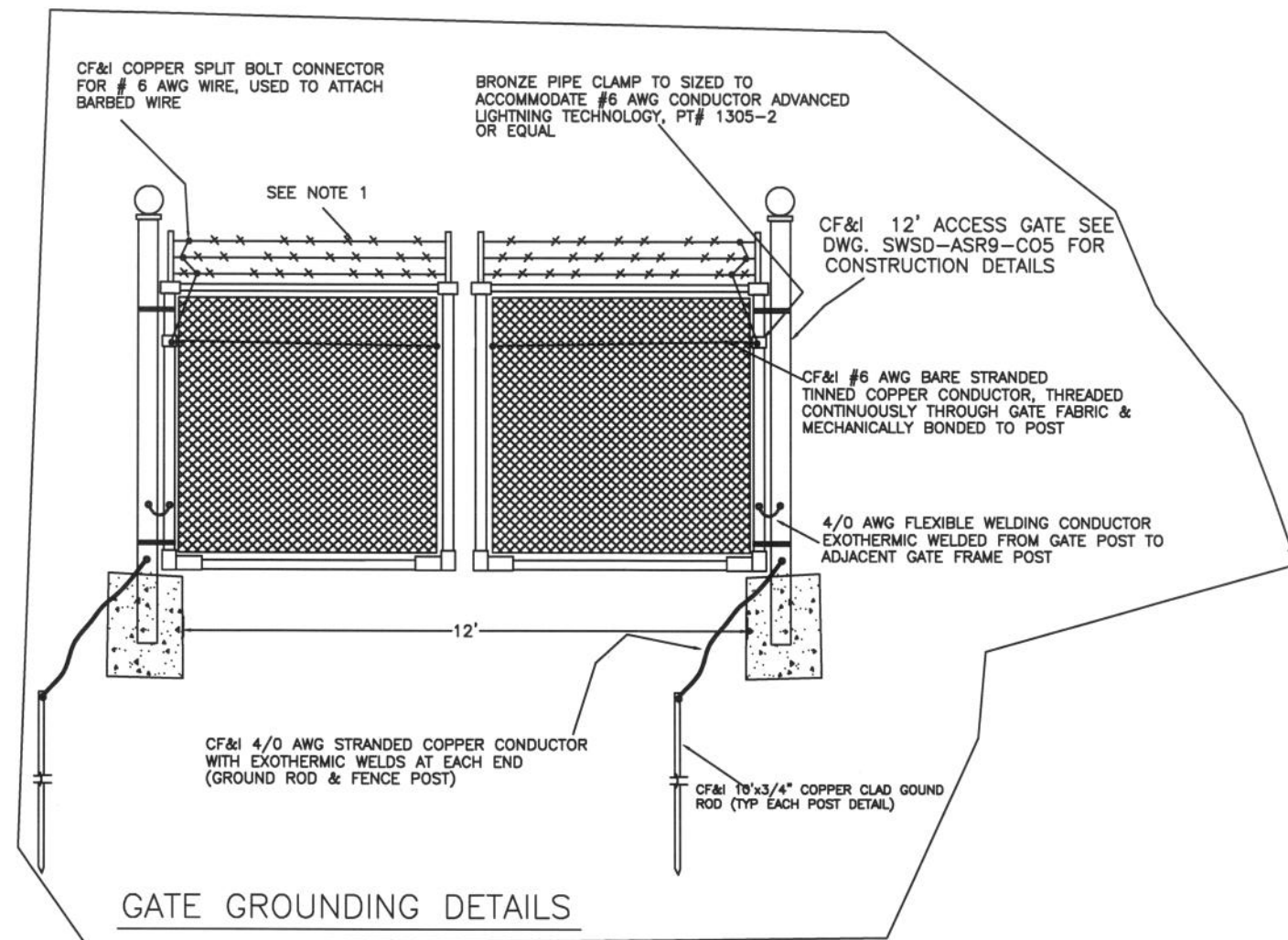
SWING GATE POST DATA			
STD PIPE SIZE	#/FT	OPENING SINGLE LEAF	OPENING DOUBLE LEAF
2-1/2' SQ	5.1	6' OR LESS	12' OR LESS
4 O.D.	9.1	6' TO 12'	12' TO 24'
6-5/8' O.D.	18.9	12' TO 19'	24' TO 38'

DRAWING IS NOT TO SCALE

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
SOUTHWEST REGION	FORT WORTH, TEXAS
ASR-9 CLASS 'F' CHAIN LINK FENCE AND GATES	
SUBMITTED BARRY W. BAY	APPROVED JOHN K. MARANT
SUPERVISOR OF SECTION ASW-454	MANAGER OF BRANCH ASW-450
DESIGNED BY D. A. TURNER	ISSUED BY DATE 11/15/91
REVIEWED BY D. J. FISHER	DRAWING NUMBER SWSD-ASR9-C05
ORG. DPT FACILITY	DIVISION

REV	DATE	DESCRIPTION	DFTD	CHECKED

CAEG FILENAME: swsd-asr9-c05
PLOT SCALE FACTOR: 1



NOTE: THE CONTRACTOR SHALL REMOVE THE EXISTING PLOT FENCE AND GATE INCLUDING FENCE POST, ALL OLD FENCING MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR

NOTES:

CONTRACTOR FURNISHED & INSTALLED - CF&I

1. AS IDENTIFIED IN DWG. SWSD-ASR9-C05, THE CONTRACTOR SHALL INSTALL 3 STRANDS OF 4-PT BARBED WIRE.
2. THE CONTRACTOR SHALL INSTALL GROUNDING COMPONENTS AS OUTLINED IN FENCE GROUNDING DETAILS. THE COMPONENTS SHALL BE INSTALLED AT THE EIGHT (8) LOCATIONS IDENTIFIED ON THE RCLR PLOT LAYOUT DETAIL.
3. THE CONTRACTOR SHALL INSTALL GROUNDING COMPONENTS AS OUTLINED IN GATE GROUNDING DETAIL. THE COMPONENTS SHALL BE INSTALLED AT THE FACILITY ENTRANCE GATE.
4. THE CONTRACTOR SHALL INSTALL A HORIZONTAL #6 BARE STRANDED COPPER CONDUCTOR, THREADED THRU THE FENCE FABRIC @ APPR. 3' (HEIGHT) ALONG ENTIRE LENGTH OF FENCE. THE #6 SHALL BE BONDED TO A FENCE POST AT THE 8 LOCATIONS USING A UL LISTED MECHANICAL CONNECTOR.

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

LITTLE IRISH RCLR FENCE/GATE
GROUNDING DETAILS

NEW ORLEANS

LOUISIANA

DRAFTED BY:

KENNETH GRAVES

SKETCH 1